



CIVIL TECH LABS

Accredited by NABL as per ISO / IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867 / Mob.: 96862 31801, Email: civiltechlabs@gmail.com



To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP Bangalore.

23rd March 2015

Dear Sir,

Sub: Construction of RCC roads and Drains cross road of west end sides
Kamakshamma layout in Ward No. 02 of Yelahanka sub division.
Testing of cubes - Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,


(KHUSHBOO L.)
Quality Manager



AKL ✓
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CTL CIVIL TECH LABS

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of RCC roads and Drains cross road of west end sides Kamakshamma layout in Ward No. 02 of Yelahanka sub division,
Name of Agency	Sri. G. Venkatesh Gowda
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm ²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm ²)	Avg Compressive Strength (N/mm ²)
1	CC-Work	20/02/2015	20/03/2015	28	8.19	485	21.56	21.78
2					8.20	490	21.78	
3					8.21	495	22.00	

Note:

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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

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Kushboo
Lab Incharge
Civil Tech Labs
BANGALORE



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To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP Bangalore.

04th February 2015

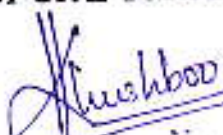
Dear Sir,

Sub: Testing Materials.

As requested, tests on physical properties were carried out for the materials supplied by you, for the work of **'Construction of RCC roads and Drains cross road of west end sides Kamakshamma layout in Ward No. 02 of Yelahanka sub division.'**

Please find the enclosed Test Reports of the above.

**Thanking You,
For Civil Tech Labs**


(KHUSHBOO L.)
Quality Manager



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TEST REPORT TEST ON CEMENT

Name & Address of the Customer	AER, Yelahanka Sub Division, BDM?
Name of Work	Construction of RCC roads and Drains cross road at west end sides Kamakshamma layout in Ward No. 02 of Yelahanka sub division.
Name of the Agency	Sri. G. Venkateswara
Date of Testing	04/02/2015

Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	52	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	IS-4031 (Part-5) 1988	VICAT	483	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	3	mm	Not More Than 10 mm	Satisfies Requirement

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Kushboo
Lab Incharge
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TEST REPORT

TEST ON FINE AGGREGATES Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of RCC roads and Drains cross road of west end sides Kamakshamma layout in Ward No. 02 of Yelahanka sub division.
Name of the Agency	Sri. G. Venkatesh Gowda
Date of Testing	04/02/2015
Specific Gravity	2.57

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	100	100	100	100	100	II
	4.75	98.6	90-100	90-100	90-100	95-100	
	2.36	84.5	60-95	75-100	85-100	95-100	
	1.18	73.6	30-70	55-90	75-100	90-100	
	0.6	45.7	15-34	35-59	60-79	80-100	
	0.3	24.5	5-20	8-30	12-40	15-50	
	0.15	8.4	0-10	0-10	0-10	0-15	

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TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of RCC roads and Drains cross road of west end sides Kamakshamma layout in Ward No. 02 of Yelahanka sub division.
Name of the Agency	Sri. G. Venkatesgowda
Date of Testing	04/02/2015
Specific Gravity	2.67
Water Absorption in %	0.29

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	100	100	Satisfies the requirement
40	98.6	95-100	
20	54.5	30-70	
10	23.6	10-35	
4.75	4.2	0-5	

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 10mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of RCC roads and Drains cross road of west end sides Kamakshamma layout in Ward No. 02 of Yelahanka sub division.
Name of the Agency	Sri. G. Venkategowda
Date of Testing	04/02/2015

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.618	0.617	Satisfactory
3	Bend & Rebend Test	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.1	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	418	415	Satisfactory
6	U T S (N/Sq.mm)	522	485	Satisfactory

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BRMP
Name of Work	Construction of RCC roads and Drains cross road of west end sides Kanakshamma layout in Ward No. 02 of Yelahanka sub division.
Name of Agency	Sri. G. Venkatesh Gowda
Grade of Concrete	M-30
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm ²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm ²)	Avg Compressive Strength (N/mm ²)
1	CC-Work	23/02/2015	23/03/2015	28	8.20	700	31.11	31.11
2					8.21	710	31.56	
3					8.19	690	30.67	

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 16 mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of RCC roads and Drains cross road of west end sides Kamakshamma layout in Ward No. 02 of Yelahanka sub division.
Name of the Agency	Sri. G. Venkatesgowda
Date of Testing	04/02/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	16	16	Satisfactory
2	Wt/m Length (Kg/m)	1.59	1.58	Satisfactory
3	Bend & Rebend Test	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.6	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	424	415	Satisfactory
6	U T S (N/Sq.mm)	530	485	Satisfactory

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4. The results are based on the test conducted on samples supplied by the customer.

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 12mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of RCC roads and Drains cross road of west end sides Kantakshamma layout in Ward No. 02 of Yelahanka sub division.
Name of the Agency	Sri. G. Venkategowda
Date of Test	04/02/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & Rebend Test	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.4	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	420	415	Satisfactory
6	U T S (N/Sq.mm)	525	485	Satisfactory

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